



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SFST.06USU1

SERIAL NO.

09/863,808

APPLICANT

Elisabeth Smela, et. al

FILING DATE

05/22/2001

GROUP 2834

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	A	5,556,770	09/17/1996	Method of preparing a composition that enhances	435	70.1

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
Yink	AA	67484	14/06/1989	Italy	A-61F			XX
mb	BB	EP 0 924 033 A2	14/12/1998	Europe	B25J 9/10		XX	
mb	CC	WO 99/24991	20/05/1999	World PCT	H01B 1/12		XX	
mb	DD	PCT/GB 98/03241	27/01/1999	World PCT	H01B 1/12		XX	

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

Yink	AAA	Huang, W., Humphrey, B., MacDiarmid, A., "Polyaniline, a novel conducting polymer: morphology and chemistry of its oxidation and reduction in aqueous electrolyte," <u>J. Chem. Soc., Faraday Trans. 1</u> , vol. 82, 1986, pgs. 2385-2400.
mb	BBB	Mazzoldi, A., Degl'Innocenti, C., Michelucci, M., De Rossi, D., "Actuative properties of polyaniline fibers under electrochemical stimulation," <u>Materials Science and Engineering C</u> , vol. 6, Elsevier Science, 1998, pgs. 65-72.
mb	CCC	Sato, M., Kaneto, K., Yoshino, K., "Dependences of electrical and mechanical properties of conducting polypyrrole films on conditions of electrochemical polymerization in an aqueous medium," <u>Synthetic Metals</u> , vol. 14, Elsevier Sequoia, Netherlands, 1986, pgs. 289-296.
mb	DDD	Kaneko, M., Kaneto, K., "Electrochemomechanical deformation of polyaniline films doped with self-existent and giant anions," <u>Reactive and Functional Polymers</u> , vol. 37, Elsevier Science, 1998, pgs. 155-161.
mb	EEE	Lewis, T.W., Spinks, G.M., Wallace, G.G., De Rossi, D., Pachetti, M., "Development of an all polymer electromechanical actuator," pgs. 520-521.
mb	FFF	Pei, Q., Inganas, O., Lundstrom, I., "Bending bilayer strips built from polyaniline for artificial electrochemical muscles," <u>Smart Mater. Struct.</u> , vol. 2, IOP Publishing Ltd., United Kingdom, 1993, pgs. 1-6.
mb	GGG	Smela, E., Inganas, O., Lundstrom, I., "Controlled folding of micrometer-size structures," <u>Science</u> , vol. 268, 23 June 1995, pgs. 1735-1738.
mb	HHH	Otero, T.F., Rodriguez, J., Angulo, E., Santamaria, C., "Artificial muscles from bilayer structures," <u>Synthetic Metals</u> , vols. 55-57, Elsevier Sequoia, 1993, pgs. 3713-3717.
	III	Kaneko, M., Fukui, M., Takashima, W., Kaneto, K., "Electrolyte and strain dependences of chemomechanical deformation of polyaniline film," <u>Synthetic Metals</u> , vol. 84, Elsevier Science, 1997, pgs. 795-796.

REFERENCE DESIGNATION

OTHER REFERENCES

Docket No.: SFST.06USU1

JJI	Chiarelli, P., Della Santa, A., De Rossi, D., Mazzoldi, A., "Actuation properties of electrochemically driven polypyrrole free-standing films," <i>Journal of Intelligent Material Systems and Structures</i> , vol. 6, January 1995, pgs. 32-37.
KKK	Takashima, W., Fukui, M., Kaneko, M., Kaneto, K., "Electrochemomechanical deformation of polyaniline films," July 1995, pgs. 3786-3789.
LLL	Monkman, A.P., Adams, P., "Optical and electronic properties of stretch-oriented solution-cast polyaniline films," <i>Synthetic Metals</i> , vol. 40, Elsevier Sequoia, Netherlands, 1991, pgs. 87-96.
MMM	Kaneko, M., Kaneto, K., "Electrochemomechanical deformation in polyaniline and poly(o-methoxyaniline)," vol. 102, <i>Synthetic Metals</i> , Elsevier Science, 1999, pgs. 1350-1353.
NNN	Della Santa, A., De Rossi, D., Mazzoldi, A., "Performance and work capacity of a polypyrrole conducting polymer linear actuator," <i>Synthetic Metals</i> , vol. 90, Elsevier Science, 1997, pgs. 93-100.
OOO	Takashima, W., Uesugi, T., Fukui, M., Kaneko, M., Kaneto, K., "Mechanochemoelectrical effect of polyaniline film," <i>Synthetic Metals</i> , vol. 85, Elsevier Science, 1997, pgs. 1395-1396.
PPP	Okabayashi, K., Goto, F., Abe, K., Yoshida, T., "Electrochemical studies of polyaniline and its application," <i>Synthetic Metals</i> , vol. 18, Elsevier Sequoia, Netherlands, 1987, pgs. 365-370.
QQQ	Adams, P.N., Devasagayam, P., Pomfret, S.J., Abell, L., Monkman, A.P., "A new acid-processing route to polyaniline films which exhibit metallic conductivity and electrical transport strongly dependent upon intrachain molecular dynamics," <i>J. Phys.: Condens. Matter</i> , vol. 10, IOP Publishing Ltd., United Kingdom, 1998, pgs. 8293-8303.
RRR	Pomfret, S.J., Adams, P.N., Comfort, N.P., Monkman, A.P., "Advances in processing routes for conductive polyaniline fibres," <i>Synthetic Metals</i> , vol. 101, Elsevier Science, 1999, 724-725.
SSS	Pomfret, S.J., Adams, P.N., Comfort, N.P., Monkman, A.P., "Electrical and mechanical properties of polyaniline fibres produced by a one-step wet spinning process," <i>Polymer</i> , vol. 41, Elsevier Science Ltd., 2000, 2265-2269.
EXAMINER TMD	DATE CONSIDERED July 23, 2003

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